ABSTRACT

A simulation apparatus and teaching system utilizing the apparatus are disclosed which includes a computer with input and output devices and a simulation apparatus including a housing, where the housing includes a tactile output subsystem for simulating pressure pulses corresponding to a pulse, an audio output subsystem for simulating heart sounds or other bodily sounds and a visual output subsystem for simulating visual attributes associated with a given condition. The output subsystem are under computer control and via interaction with a user, the computer will instruct the output subsystem to generate the symptoms associated with a given condition in a temporally correlated or simultaneous manner so that a user will be able to experience the visual, audio and tactile attributes associated with a given condition.